

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph on page 8, line 17-18, with the following paragraph:

Thus these examples show that decreasing the total potassium concentration eliminates the need for additional fluorine on the catalyst. These examples, specifically a comparison of catalyst C to control catalysts A and B, further show that selectivity to ethane for the inventive process is equivalent to or reduced in comparison to a process employing a catalyst having equal to or greater than 0.3 weight percent potassium and a fluoride to potassium molar ratio of equal to or greater than 2:1. For example, the selectivity to ethane for catalyst C is less than 100 mole %. These examples, specifically a comparison of catalyst C to control catalysts A and B, further show that selectivity to ethylene for the inventive process is equivalent to or increased in comparison to a process employing a catalyst having equal to or greater than 0.3 weight percent potassium and a fluoride to potassium molar ratio of equal to or greater than 2:1. For example, the selectivity to ethylene for catalyst C is greater than 0 mole %. These examples, specifically a comparison of catalyst C to control catalysts A and B, further show that $T1_{\text{eq}}$ for the inventive process is reduced in comparison to a process employing a catalyst having equal to or greater than 0.3 weight percent potassium and a fluoride to potassium molar ratio of equal to or greater than 2:1.